

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of controlling an irrigation system, comprising:
 - receiving a first landscape information associated with a first irrigation site associated with a first user and a second landscape information associated with a second irrigation site associated with a second user;
 - receiving a first environmental information associated with the first irrigation site and a second environmental information associated with the second irrigation site;
 - deriving [[an]] a first individual station irrigation schedule for the first irrigation site based on the first landscape information and the first environmental information and a second individual station irrigation schedule for the second irrigation site based on the second landscape information and the second environmental information; and
 - ~~receiving via a web interface a proposed modification to the individual station irrigation schedule;~~
 - ~~determining, prior to the proposed modification being made, an effect the proposed modification to the individual station irrigation schedule would have if made;~~
 - ~~displaying via the web interface the effect of the proposed modification to the individual station irrigation schedule received via the web interface;~~
 - ~~receiving an indication that the proposed modification to the individual station irrigation schedule is to be implemented; and~~
 - sending the first individual station irrigation schedule, with the proposed modification implemented, to [[an]] a first irrigation control unit associated with the first irrigation site and the second individual station irrigation schedule to a second irrigation control unit associated with the second irrigation site.

2. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule is sent to the first irrigation control unit via a network.
3. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule is sent to the first irrigation control unit via the Internet.
4. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule is sent to the first irrigation control unit via a telephone line.
5. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information and the first environmental information are provided to a central control system.
6. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein providing the first landscape information includes configuring a landscape parameter via a web interface.
7. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, further comprising updating the first environmental information.
8. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information includes soil type.
9. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information includes slope information.
10. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information includes plant type.
11. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information includes age of plant.

12. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first environmental information includes evapotranspiration (ET) information.
13. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first environmental information includes weather information.
14. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule includes a restriction on the amount of water used.
15. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule includes a valve command.
16. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, further comprising updating the first environmental information.
17. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein deriving the first individual station irrigation schedule and the second individual station irrigation schedule includes balancing usage with other sites.
18. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein deriving the first individual station irrigation schedule and the second individual station irrigation schedule includes providing biasing information.
19. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein deriving the first individual station irrigation schedule and the second individual station irrigation schedule includes accounting for needs of the most demanding plant.
20. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein deriving the first individual station irrigation schedule and the second individual station irrigation schedule includes selecting an algorithm used for deriving [[the]] an irrigation schedule from a plurality of algorithms.
21. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first irrigation control unit is connected to Internet via a local point of presence (POP).

22. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule is sent to the first irrigation control unit via Internet.
23. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein sending the first individual station irrigation schedule to [[an]] the first irrigation control unit is initiated by the first irrigation control unit.
24. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein sending the first individual station irrigation schedule to [[an]] the first irrigation control unit is initiated by the first irrigation control unit and the first irrigation control unit uses a pull model to request the first individual station irrigation schedule.
25. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first irrigation control unit communicates with a watering station via a shared phone line.
26. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, in the event that sending the first individual station irrigation schedule fails, further comprising providing an alert.
27. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, in the event that sending the first individual station irrigation schedule fails, further comprising performing irrigation using a stored irrigation schedule on the first irrigation control unit.
28. (Original) A method of controlling an irrigation system as recited in Claim 1, further comprising providing analysis of water usage to a water agency.
29. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, further comprising uploading meter data from the first irrigation control unit to a central control.
30. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, further comprising viewing the first landscape information and/or the first individual station irrigation schedule via [[the]] a web interface.

31. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, further comprising modifying the first landscape information and/or the first individual station irrigation schedule via [[the]] a web interface.
32. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, further comprising viewing landscape information and/or irrigation schedules for a plurality of geographically dispersed sites via [[the]] a web interface.
33. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, further comprising modifying landscape information and/or irrigation schedules for a plurality of geographically dispersed sites via [[the]] a web interface.
34. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information includes irrigation method.
35. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information includes precipitation rate.
36. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information includes distribution uniformity.
37. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information includes root depth of plant.
38. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information includes dripline diameter of plant.
39. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information includes number of emitters per plant.
40. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information includes flow rate of emitter.
41. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information includes sun exposure information.

42. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information includes plant coefficient by month.
43. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule is optimized for one or more stations.
44. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule includes multiple stations operating simultaneously.
45. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule is derived using station flow rates and maximum allowable system flow.
46. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule is automatically adjusted for rainfall.
47. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein deriving the first individual station irrigation schedule and the second individual station irrigation schedule includes minimizing runoff.
48. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule includes hourly restrictions.
49. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule includes non-watering days.
50. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein deriving the first individual station irrigation schedule includes accounting for the priority of stations.
51. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first landscape information includes seasonality of plants.

52. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule is derived using station flow rates provided by a flow sensor.

53. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule is optimized to fit within a user-defined water window.

54. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule includes individual station schedules derived using a plurality of algorithms.

55. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein deriving the first individual station irrigation schedule includes selecting an algorithm based on an irrigation method.

56. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein deriving the first individual station irrigation schedule includes selecting an algorithm based on geographic location.

57. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein the first individual station irrigation schedule is derived using station flow rates provided by a water meter.

58. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, further comprises uploading meter data from a water meter to the first irrigation control unit.

59. (Currently amended) An irrigation system comprising:

~~a web interface configured to:~~

~~receive a proposed modification to the individual station irrigation schedule; and~~

~~display an effect of the proposed modification to the individual station irrigation schedule received via the web interface; and~~

~~a processor; and configured to:~~

a memory coupled with the processor, wherein the memory is configured to provide the processor with instructions which when executed cause the processor to:

receive a first landscape information associated with a first irrigation site associated with a first user and a second landscape information associated with a second irrigation site associated with a second user;

receive a first environmental information associated with the first irrigation site and a second environmental information associated with the second irrigation site;

derive [[an]] a first individual station irrigation schedule for the first irrigation site based on the first landscape information and the first environmental information and a second individual station irrigation schedule for the second irrigation site based on the second landscape information and the second environmental information; and

~~determine, prior to the proposed modification being made, the effect the proposed modification to the individual station irrigation schedule would have if made;~~

~~receive an indication that the proposed modification to the individual station irrigation schedule is to be implemented; and~~

~~send the first individual station irrigation schedule, with the proposed modification implemented, to [[an]] a first irrigation control unit associated with the first irrigation site and the second individual station irrigation schedule to a second irrigation control unit associated with the second irrigation site.~~

60. (Currently amended) A computer program product for controlling an irrigation system, the computer program product being embodied in a computer readable medium and comprising computer instructions for:

receiving a first landscape information associated with a first irrigation site associated with a first user and a second landscape information associated with a second irrigation site associated with a second user;

receiving a first environmental information associated with the first irrigation site and a second environmental information associated with the second irrigation site;

deriving [[an]] a first individual station irrigation schedule for the first irrigation site based on the first landscape information and the first environmental information and a second individual station irrigation schedule for the second irrigation site based on the second landscape information and the second environmental information; and

~~receiving via a web interface a proposed modification to the individual station irrigation schedule;~~

~~determining, prior to the proposed modification being made, an effect the proposed modification to the individual station irrigation schedule would have if made;~~

~~displaying via the web interface the effect of the proposed modification to the individual station irrigation schedule received via the web interface;~~

~~receiving an indication that the proposed modification to the individual station irrigation schedule is to be implemented; and~~

~~sending the first individual station irrigation schedule, with the proposed modification implemented, to [[an]] a first irrigation control unit associated with the first irrigation site and the second individual station irrigation schedule to a second irrigation control unit associated with the second irrigation site.~~

61. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein a water agency modifies the first individual irrigation schedule via [[the]] a website and [[the]] an effect of modifying is displayed to the water agency via the website.

62. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, ~~wherein~~ further including displaying [[the]] an effect of modifying the first individual station irrigation schedule, includes including displaying a change to a water bill.

63. (Currently amended) A method of controlling an irrigation system as recited in Claim 1, wherein there are a plurality of individual station irrigation schedules accessible via [[the]] a web interface, [[a]] the first user has a first access privilege to the plurality of individual irrigation schedules via the web interface, and [[a]] the second user has a second access privilege to the plurality of individual irrigation schedules via the web interface.